"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

68451

S/079/61/031/001/013/025
B001/B066

15.8111 2209

AUTHORS: Novitskiy, K. Yu., Volkov, V. P., Shayderova, L. P., and Yur'yev, Yu. K.

TITLE: Studies in the Furan Series. XI. 2,5-Bis-(chloro-methyl)-furan in the Synthesis of Symmetric 2,5-Dialkyl Furans

PERIODICAL: Zhurnal obshchey khimii, 1961, Vol. 31, No. 1, pp. 136 - 139

TEXT: The authors synthesized the symmetric 2,5-dialkyl furans by the reaction of 2,5-bis-(chloro-methyl)-furan with organomagnesium compounds, in yields of 33 - 56 %. They found the yield to be highly dependent on the length of the carbon chain and on the nature of the halogen of the alkyl magnesium halide. The maximum yields of dialkyl furans were obtained with alkyl magnesium chlorides (46 % with propyl magnesium chloride, and 38 % with butyl magnesium chloride); when using alkyl magnesium bromides, the yield drops to 37 % with propyl magnesium bromide, and to 29 % with butyl magnesium bromide; when using methyl magnesium iodide, the yield is only 5 %.

Card 1/3

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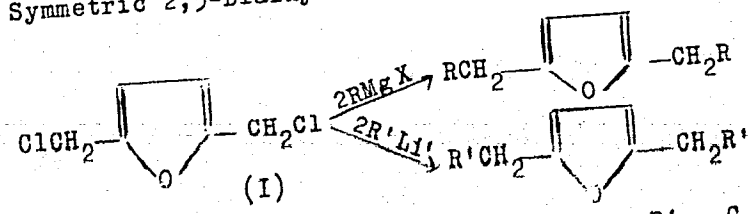
88481

S/079/61/031/001/013/025
B001/B066

Studies in the Furan Series. XI. 2,5-Bis-(chloro-methyl)-furan in the Synthesis of Symmetric 2,5-Dialkyl Furans



(I)

R = CH_3, C_2H_5, n-C_3H_7, n-C_4H_9, iso-C_4H_9; R' = C_2H_5, n-C_3H_7, n-C_4H_9.

Attempts with Grignard reagents from n-octyl bromide, bromo benzene, benzyl chloride, cyclopentyl- and cyclohexyl chloride were unsuccessful. 5 % diphenyl and symmetric diphenyl ethane (18 %) were separated with phenyl magnesium bromide and benzyl magnesium chloride respectively. In the reaction of methyl magnesium halides with furfuryl chloride (Ref. 7) a polycondensation mainly occurs, which yields the polymers presented in Scheme 2. The yields of the corresponding dialkyl furans in the reaction of 2,5-bis-(chloro-methyl)-furan with lithium alkyls were 19 - 25 %. There are 9 references: 4 Soviet, 1 French, 1 Canadian, 1 British, and 3 US.

Card 2/3

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

88462

Studies in the Furan Series. XI. 2,5-Bis-(chloro-methyl)-furan in the Synthesis of Symmetric 2,5-Dialkyl Furans

S/079/61/031/001/013/025
B001/B066

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: February 22, 1960

Card 3/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

NOVITSKIY, K.Yu.; VOLKOV, V.P.; YUR'YEV, Yu.K.

Furan series. Part 12: Furan-2,5-dialdehyde and its reactions with malonic acid derivatives. Zhur. ob. khim. 31 no. 2:538-541 F '61. (MIRA 14:2)

1. Moskovskiy gosudarstvennyy universitet.
(Furandicarboxaldehyde)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.

Furan series. Part 13: New stereospecific method of synthesizing cyclitols. Zhur. ob. khim. 31 no. 2:685-686 F '61. (MIRA 14:2)

(Cyclitols)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

KOROBITSYNA, I.K.; IN'CHEN'-LE [Yin Ch'ên-lieh]; YUR'YEV, Yu.K.

Reactions of the methylene group of 2,2,5,5-tetraalkyl-3-furanidones. Zhur. ob. khim. 31 no.3:836-840 Mr '61. (MIRA 14:3)

1. Moskovskiy gosudarstvennyy universitet.
(Methylene group)
(Furan)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.

Furan series. Part 14: Reactivity of α-oxides of the 3,5 endomethylene-and 3,6-endoxocyclohexane series. Zhur. ob. khim. 31 no.3:840-844 Mr '61. (MIRA 14:3)

1. Moskovskiy gosudarstvennyy universitet.
(Norbornane)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.

Furan series. Part 15: Stereochemistry of the addition to the C=C bond in the series of 3,6-endoxocyclohexene. Zhur. ob. khim. 31 no.4:1125-1131 Ap '61. (MIRA 14:4)

1. Moskovskiy gosudarstvennyy universitet.
(Endoxocyclohexene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

NOVITSKIY, K.Yu.; YUR'YEV, Yu.K.; OLEYNIK, A.F.; AFANAS'YEVA, Yu.A.

Furan series. Part 16: N-(β-oxyethyl) furfurylamines in the synthesis of piperazines and ethylenediamines containing a furan ring. Zhur.ob.khim. 31 no.5:1445-1448 My '61. (MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Furfurylamine) (Piperazine) (Ethylenediamine)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MEZENTSOVA, N.N.

Chemistry of selenophene. Part 32: β-diketones of the selenophene series. Zhur.ob.khim. 31 no.5:1449-1452 My '61. (MIRA 14:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova, (Selenophene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; REVENKO, O.M.

Catalytic conversions of heterocyclic compounds. Part 57: Conversion of 2-alkyltetrahydropyrans to 2-alkylpentamethylene sulfides. Zhur.ob.khim. 31 no.6:1883-1885 Je '61. (MIRA 14:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Pyran) (Methylene sulfide)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

KOROBITSYNA, I.K.; MARINOVA, G.V.; YUR'YEV, Yu.K.

Condensation of 2,2,5,5-tetraalkyl-3-furanidones with aldehydes of aromatic nature. Zhur.ob.khim. 31 no.7:2131-2133 Jl '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Furandione) (Aldehydes)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

KOROBITSYNA, I.K.; POPOVA, I.I.; GAYDAMOVICH, N.N.; YUR'YEV, Yu.K.

Properties of 4-hydroxymethylen-2,2,5,5-tetraalkyl-3-furandiones.
Zhur.ob.khim. 31 no.8:2542-2548 Ag '61. (MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

(Furandione)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.; OSADCHAYA, R.A.

Furan series. Part 17: Synthesis of amino alcohols of the 3,6-endoöxocyclohexane. Zhur.ob.khim. 31 no.9:2898-2902 S '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet.
(Cyclohexane) (Alcohols)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; EKKHARDT, D.

2-Cyclopropyl- and 2-propenyl-furan and -thiophene Zhur.ob.khim. 31 no.10:3274-3276 O '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Cyclopropane) (Furan) (Thiophene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

NOVITSKIY, K.Yu.; VOLKOV, V.P.; SHAYDEROVA, L.P.; YUR'YEV, Yu.K.

Furan series. Part 18: 2, 5-Bis(N-alkylazomethine)- and 2, 5-bis(N-arylazomethine)-furans. Zhur.ob.khim. 31 no.10: 3277-3281 O '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Furan)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

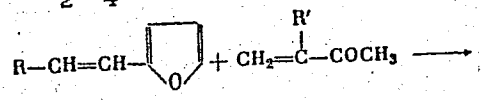
S/079/61/031/011/003/015
D202/D305

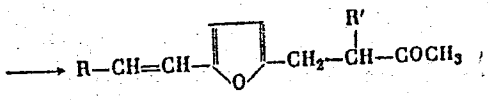
AUTHORS: Yur'yev, Yu. K., Zefirov, N. S., and Gurevich, V. M.

TITLE: Investigation of the furan series XIX. The reaction of 2-vinyl furans with α,β-unsaturated ketones

PERIODICAL: Zhurnal obshchey khimii, v. 31, no. 11, 1961, 3531-3534

TEXT: In this work, the authors found that 2-vinyl furan reacts with α,β-unsaturated ketones which have a substituted methyl group, in the presence of traces of H_2SO_4 as a catalyst, according to the scheme:





(I)

Ia R = R' = H; Ib R = C_6H_5, R' = H; Ic R = H, R' = CH_3

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D202/D305

Investigation of...

where R = H, or C_3H_7, R_1 = H or CH_3. Similar furan derivatives react in the same way; as these reactions proceed with the formation of resinous side-products, the yield is low, but the method is considered an easy way of preparing furan ketones. Ketones substituted with 2-furyl acetylene were not prepared. The ketones obtained react with maleic anhydride giving additional products. Hydration of the vinyl side chain of furan proceeds smoothly when palladium or $BaSO_4$ are used as a catalyst, and it is easy to obtain an additional product linked to the furan vinyl double bond. Preparation of the following compounds is given: 2-vinyl furan, by a previously known method. Reaction of vinyl furan with thiophenol: a mixture of 4.2 g of thiophenol and 3.8 g of vinyl furan was left in a closed vessel for a few days; the product distilled in vacuo yielded 7.5 g of sulfide (92%); b.p. 146 - 148°C (6 mm); n_D^{20} 1.5811; d_4^{20} 1.0017; MR_D 60.88, calcul. 60.22. $C_{12}H_{12}OSF_5$ [Abstracter's note: "F" probably means fraction], 1-(5-vinyl furyl-2)-butanone-3 (cpd. Ia). To a flask containing 0.2 g of hydroquinone,

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

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D202/D305

Investigation of...

14 g of methyl vinyl acetone and 2 drops of conc. H_2SO_4, 14.1 g of 2-vinyl furan was added (at $\leq 35^0$C). The mixture was stirred for 1 hour, diluted with ether, washed with $NaHCO_3$ and water, and dried over anh. $MgSO_4$; the yield was 5 g (20.5%) after distillation in vacuo in a stream of nitrogen; b.p. 109-110°C (5 mm); n_D^{20} 1.5171; d_4^{20} 1.0301; MR_D 48.22; calcul. 46.39 . The additional product of Ia ketone and maleic anhydride: 0.82 g of Ia was added to a concentrated solution of 0.49 g of maleic anhydride in absolute ether; after 12 - 15 hours, white crystals were formed, with b.p. 110 - 111°C (from benzene). They decomposed after a few hours in contact with air. 2-methyl-1-(5-vinyl furyl-2)-butanone-3 was obtained in the same way, as compound Ia, from 14.1 g vinyl furan and 16.4 g of methyl iso-propylene ketone, yielding 5.1 g of the product; b.p. 105 - 107°(9 mm); n_D^{20} 1.5080; d_4^{20} 1.0390; MR_D 52.16; calcul. 51.01; $C_{11}H_{14}O_2F_3$. By the same method, 1-(5-pente-

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Investigation of...

nyl-1-furyl-2)-butanone-3 was obtained from 20.4 g pentenyl furan and 14 g methyl vinyl ketone; the yield = 6.8 g (23%); b.p. 121 - 122° (5 mm); n_D^{20} 1.5081; d_4^{20} 1.0511; MR_D 62.29; calcul. 60.29 . 2-ethyl furan was obtained from 9.4 g of vinyl furan, hydrated in 50 ml of methyl alcohol with 0.1 g Pd on $BaSO_4$ (5% Pd). After the amount of H_2, equivalent to one double bond has been absorbed, the hydration reaction stopped abruptly. The yield was 8.7 g (90%); physical properties were in good agreement with data given in Western literature. 1-(5-ethyl furyl-2)-butanone-3 was prepared by two methods: (a) 3.5 g of ketone Ia in 40 ml of methanol were hydrated as above, with yield of 2.95 g (81%); b.p. 95°(5 mm); n_D^{20} 1.4726; d_4^{20} 0.9986; MR_D 46.67; calcul. 46.88 . (b) From 9.6 g of ethyl furan and 10.5 g methyl vinyl ketone with 0.15 ml of concentrated H_2SO_4 by a method described previously for the preparation of 2-methyl furan. 8.6 g of compound identical with that

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

Investigation of...

obtained by method (a) given above. The above experiments prove that the reactions of alkenyl furans with unsaturated ketones belong to the type of addition-substitution ones. There are 15 references: 6 Soviet-bloc and 9 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: J. Webb, G. Borcherdt, U.S. Pat. 2,640,057 (1953); J. Bachman, L. Heisey, J. Am. Chem. Soc. 71, 1985 (1949); D. Coffman, P. Barrick, R. Creamer, M. Reach, J. Am. Chem. Soc. 71, 490, (1949); E. Breault, O. Dremer, Ch. A., 43, 2615 (1949).

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University im. M. V. Lomonosov)

SUBMITTED: December 16, 1960

Card 5/5

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; SADOVAYA, N.K.

Chemistry of selenophene. Part 34: Reduction of ketones of the selenophene series. Zhur. ob. khim. 31 no. 11:3535-3536 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Ketones) (Selenophene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; EKKHARDT, D.

Synthesis of heterocyclic analogs of stilbene. Zhur. ob. khim. 31 no. 11:3536-3539 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet.
(Stilbene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.

Jolivet's work "Study of 3,6-endoxo- Δ^4-tetrahydrophthalic anhydride" reviewed by IU.K.IUr'ev, N.S. Zefirov. Zhur. ob. khim. 31 no. 11:3840-3841 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet.
(Phthalic anhydride)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

KOROBITSYNA, I.K.; YUR'YEV, Yu.K.; IN' CHEN'-LE [Yin Ch'en-le]; DAVYDOVA, A.F.; GAYDAMOVICH, N.N.

Furanidino-pyrazoles. Zhur.ob.khim. 31 no.12:3921-3926 D '61. (MIRA 15:2)

(Pyrazole)
(Furan)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

LEVINA, R.Ya.; YUR'YEV, Yu.K.

N.D. Zelinskii and the development of his scientific endeavors; on the 100th anniversary of his birth. Zhur. prikl. khim. 34 no.1:3-9 Ja '61. (MIRA 14:1)

1. Moskovskiy gosudarstvennyy universitet.
(Zelinskii, Nikolai Dmitrievich, 1861-1953)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

BALANDIN, A.A., akademik, red.; KOBOZEV, N.I., prof., red.; LEBEDEV, V.P., dots., zam. red.; MAL'TSEV, A.N., zam. red.; AGRONOMOV, A.Ye., dots., zam. red.; TOPCHIYEVA, K.V., prof., red.; YUR'YEV, Yu.K., prof., red. PANCHENKOV, G.M., prof., red.; SOKOL'SKIY, D.V., akademik, red.; VOL'KENSHTEYN, F.F., prof., red.; LAZAREVA, L.V., tekhn. red.

[Catalysis in the institutions of higher learning; papers of the First Interuniversity Conference on Catalysis]Kataliz v vysshei shkole; trudy. Moskva, Izd-vo Mosk. univ. No.1. Pt.2. 1962. 325 p. (MIRA 15:10)

1. Mezhvuzovskoye soveshchaniye po kataliza. 1st, 1958. 2. Akademiya nauk Kazakhskoy SSR (for Sokol'skiy). 3. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta (for Yur'yev). (Catalysis)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.

ω-Acetyl-2-acetoselenophene (selenenoyl-2-acetone) and ω-trifluoroacetyl-2-acetoselenophene (selenenoyl-2-trifluoro acetone). Vet. poluch. khim. reak. i prepar. no.6:5-9 '62. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.; TITOV, V.V.

1,3-Dibenzoyl-1-3,-di-(2-selenenoyl)-propane. Met. poluch. khim. reak. i prepar. no.6:9-11 '62. (MIRA 17:5)

1. Moskovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; PENTIN, Yu.A.; Revenko, O.M.; LEBEDEVA, E.I.

2,3-Dialkylpentamethylene sulfides and their infrared absorption spectra. Neftekhimiia 2 no.2:137-143 Mr-Ap '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova, khimicheskiy fakul'tet.

(Thiopyran—Spectra)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MEZENTSOVA, N.N.; TRESHCHOVA, Ye.G.

Raman spectra of 2-propyl-, 2-cyclopropyl-, and 2-propenylselenophene. Vest.Mosk. un. Ser.2:khim. 17 no.1:60-62 Ja-F '62. (MIRA 15:1)

1. Moskovskiy gosudarstvennyy universitet, kafedra organicheskoy khimii i laboratoriya molekulyarnoy spektroskopii.
(Selenophene—Spectra)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

MEL'CHAKOVA, N.V.; MEZENTSOVA, N.N.; PEN AN [P'êng Ang]; PESHKOVA, V.M.; YUR'YEV, Yu.K.

Characteristics of some β-diketones of the selenophene series. Vest.Mosk. un. Ser.2:khim. 17 no.1:63-67 Ja-F '62. (MIRA 15:1)

1. Moskovskiy gosudarstvennyy universitet, kafedra analiticheskoy khimii.

(Selenophene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; REVENKO, O.M.

Synthesis of 3-alkyltetrahydropyrans. Vest.Mosk.un.Ser.2: Khim. 17 no.2:68-71 Mr-Ap '62. (MIRA 15:4)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.
(Pyran)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; SADOVAYA, N.K.; GAL'BERSHTAM, M.A.

Chemistry of selenophene. Part 35: Chloromethylation of selenophene and its homologs. Zhur. ob. khim. 32 no.1:259-263 Ja '62. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Selenophene)

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NOVITSKIY, K.Yu.; VOLKOV, V.P.; YUR'YEV, Yu.K.

Furan series. Part 20: Reactions of condensation, oxidation, and reduction of furan-2,5-dialdehyde. Zhur.ob.khim. 32 no.2: 399-402 F '62. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Furan)

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YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.; SADOVAYA, N.K.

Chemistry of selenophene. Part 26: Reactions of 2-chloromethylselenophene and its homologs. Zhur.ob.khim. 32 no.4:1301-1307 Ap '62. (MIRA 15:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Selenophene)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MEZENTSOVA, N.N.; SAPOROVSKAYA, M.B.

Chemistry of selenophene. Part 37: Synthesis of 5-(2'-selenienyl) pyrazoles substitutes in the position-3. Zhur.ob.khim. 32 no.5: 1444-1446 My '62. (MIRA 15:5)

1. Moskovskiy gosudarstvennyy universitet.
(Selenium compounds) (Pyrazole)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MEZENTSOVA, N.N.; KEDA, B.I.

Chemistry of selenophene. Part 38: Synthesis and reactions of 2-vinylselenophene. Zhur.ob.khim. 32 no.6:1820-1822 Je '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Selenophene)

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YUR'YEV, Yu.K.; REVENKO, O.M.

Catalytic conversions of heterocyclic compounds. Part 58: Conversions of 3-alkyltetrahydropyrans to 3-alkylpentamethylene sulfides. Zhur. ob.khim. 32 no.6:1822-1824 Je '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Pyran) (Methane)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

NOVITSKIY, K.Yu.; YUR'YEV, Yu.K.; ZHINGAREVA, V.N.

Furan series. Part 22: Reaction of 2,5-bis(Chloromethyl) furan with amines. Zhur.ob.khim. 32 no.6:1824-1828 Je '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Furan) (Amines)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.; PRIKAZCHIKOVA, L.P.

Stereochemistry of the oxymercuration of dimethyl ester of exo-cis-3, 6-endoxo-Δ^{4}-tetrahydrophthalic acid. Zhur.ob.khim. 32 no.8:2744-2745 Ag '62. (MIRA 15:9)

1. Moskovskiy gosudarstvennyy universitet.
(Phthalic acid) (Mercuration) (Stereochemistry)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

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YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.

Chemistry of selenophene. Part 39: Condensation reactions of 2-chloromethylselenophene. Zhur.ob.khim. 32 no.10:3249-3252 O '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

(Selenophene)
(Condensation products (Chemistry))

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MAGDISIYEVA, N.N.; TITOV, V.V.

Chemistry of selenophene. Part 40: β-Diketones of the selenophene series. Zhur.ob.khim. 32 no.10:3252-3255 O '62. (MIRA 15:11)

(Selenophene) (Ketones)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

MOVITSKIY, K.Yu.; YUR'YEV, Yu.K.; ZHINGAREVA, V.N.

Furan series. Part 23: Reaction of 2,5-bis(chloromethyl) furan with metal cyanides. Zhur.ob.khim. 32 no.10:3303-3308 O '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

(Furan)
(Alkali metal cyanides)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.; ROZANTSEV, G.G.

Selenophene chemistry. Part 41: Reaction of 2-chloromethylselenophene with amino alcohols. Zhur.ob.khim. 32 no.11:3562-3567 N '62. (MIRA 15:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Selenophene) (Alcohols)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu. K.; GAL'BERSHTAM, M. A.

Chemistry of selenophene. Part 42: Synthesis of tetrasubstituted ethylenediamines of the selenophene series. Zhur. ob. khim. 32 no.12:3922-3925 D '62. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova.

(Ethylenediamine) (Selenophene)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

FEDIN, E.I.; PETROVSKIY, P.V.; REVENKO, O.M.; YUR'YEV, Yu.K.

Nuclear magnetic resonance spectra of homologs of thiophane and pentamethylene sulfids. Neftekhimiia 2 no.3:270-274 My-Je '62. (MIRA 15:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR i Moskovskiy gosudarstvennyy universitet.
(Thiophene--Spectra) (Thiopyran--Spectra)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.

Furan series. Part 21: Wagner-Meerwein rearrangement in 3,6-endoxocyclohexane. Zhur.ob.khim. 32 no.3:773-782 Mr '62. (MIRA 15:3)

(Norbornane) (Rearrangements)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

PEN AN; MAGDESIYEVA, N.N.; TITOV, V.V.; YUR'YEV, Yu.K.; PESHKOVA, V.M.

Study of the dissociation of some selenophene-containing β-diketones using the potentiometric method. Vest. Mosk. un. Ser. 2: Khim. 18 no.3:70-74 My-Je '63. (MIRA 16:6)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.
(Ketone) (Potentiometric analysis)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YEFIMOV, I.P.; LAGUNOVA, O.D.; MAGDESIYEVA, N.N.; TITOV, V.V.; YUR'YEV, Yu.K.; PESHKOVA, V.M.

Determination of the acid dissociation constants of β-diketones of the selenophene series. Vest. Mosk. un. Ser. 2: Khim. 18 no.5:49-53 S-O '63. (MIRA 16:11)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

NOVITSKIY, K. Yu.; YUR'YEV, Yu. K.; OLEYNIK, A. F.

Furan series. Part 24: N-(β-mercaptoethyl)furfurylamines and furfurylthiazolidines. Zhur. ob. khim. 33 no.1:68-71 '63. (MIRA 16:1)

1. Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova.

(Furfurylamine) (Thiazolidine)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.

Chemistry of selenophene. Part 43: Reaction of 2-chloromethyl- and 2,5-dimethyl-3-chloromethylselenophene with potassium cyanide. Zhur.ob.khim. 33 no.2:462-466 F '63. (MIRA 16:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Selenophene) (Potassium cyanide)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.

3,6-Endoxo-cyclohexens and -cyclohexanes. Part 8: Wagner-Meerwein rearrangement during the halogenation of derivatives of 3,6-endoxo-cyclohexene, 3,6-endoxo-cyclohexene.. Zhur.ob.khim. 33 no.3:804-813 Mr '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Cyclohexene) (Halogenation)
(Rearrangements (Chemistry))

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.; IVANOVA, R.A.

3,6-Endoxo-cyclohexanes and cyclohexenes. Part 9: Synthesis of amino derivatives of the 3,6-endoxo-cyclohexane series. Zhur.ob.khim. 33 no.3:813-817 Mr '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

(Cyclohexene)
(Amino compounds)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.; SHAYDEROVA, L.P.

3,6-Endoxo-cyclohexanes and -cyclohexenes. Part 10: Acetoxymercuration of dimethyl ester of 3,6-endoxo-Δ^4-tetrahydrophthalic acid. Zhur.ob.khim. 33 no.3:818-820 Mr '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Cyclohexened icarboxylic acid)
(Mercuration)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

NOVITSKIY, K.Yu.; OLEYNIK, A.F.; YUR'YEV, Yu.K.

2-Vinylfuran oxide. Zhur.ob.khim. 33 no.3:1043-1044 Mr '63.
(MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet.
(Furan)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

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[illegible], V.K., Medesiyeva, N.N., Timov, V.V.

and diacetonic [illegible]. [illegible] the formation of terephtaloyl-bis(2-acetoselenophene) and [illegible]-bis(2-acetoselenophene). The interaction of [illegible]

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NOVITSKIY, K.Yu.; VOLKOV, V.P.; IL'INA, Yu.M.; YUR'YEV, Yu.K.

Furan series. Part 25: Oxidative cleavage of 2,5-disubstituted furans. Zhur.ob.khim. 33 no.4:1145-1149 Ap '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Furan) (Oxidation)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.; SHTEYNMAN, A.A.

Furan series. Part 26: Relation between the reaction of diene synthesis and substitution addition in the furan series. Zhur.ob. khim. 33 no.4:1150-1156 Ap '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Furan) (Unsaturated compounds) (Substitution (Chemistry))

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YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.

Chemistry of selenophene. Part 45: 5-Halo-2-chloromethylselenophenes. Zhur.ob.khim. 33 no.6:1789-1793 Je '63. (MIRA 16:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Selenophene)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; ZEFIROV, N.S.; PRIKAZCHIKOVA, L.P.

3,6-Endoxocyclohexanes and -cyclohexenes. Part 11: Cis-hydroxymercuration of dimethyl ester of exo-cis-3,6-endoxo-Δ^4-tetrahydrophthalic acid. Zhur.ob.khim. 33 no.6:1793-1801 Je '63. (MIRA 16:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Cyclohexenedicarboxylic acid) (Mercuration) (Stereochemistry)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

ZEFIROV, N.S.; YUR'YEV, Yu.K.; PRIKAZCHIKOVA, I.P.; BYKHOVSKAYA, M.Sh.

3,6-Endoxo-cyclohexanes and -cyclohexenes. Part 12: Stereochemistry of nucleophilic addition on a C=C bond in the systems of 3,6-endoxo-cyclohexene and 3,6-endoxo-cyclohexadiene. Zhur.ob.khim. 33 no.7:2153-2158 Jl '63. (MIRA 16:8)
(Cyclohexene) (Cyclohexadiene) (Stereochemistry)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1"

"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.; TITOV, V.V.

Chemistry of selenophene. Part 46: Reaction of ω-benzoyl-2-acetoselenophene with hydroxylamine. Zhur.ob.khim. 33 no.7:2158-2163 Jl '63. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Selenophene) (Hydroxylamine)

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NOVITSKIY, K.Yu.; YUR'YEV, Yu.K.; ZHINGAREVA, V.N.; YUNUSOV, M.S.

Furan series. Part 23: Synthesis of 2,5-bis(β-dialkylaminoethyl) furans. Zhur.ob.khim. 33 no.7:2164-2167 Jl '63. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Furan)

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.; TITOV, V.V.

Synthesis of ω-(p-nitrobenzoyl)-2-acetoselenophene. Zhur. ob. khim. 33 no.8:2577-2578 Ag '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.; BRYSOVA, V.P.

Chemistry of selenophene. Part 47: Synthesis and alkylation of β-diketones of the selenophene series. Zhur. ob. khim. 33 no.8:2578-2581 Ag '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

ZEFIROV, N.S.; IVANOVA, R.A.; KECHER, R.M.; YUR'YEV, Yu.K.

Bromination of adducts of 2-methyl- and 2,5-dimethylfuran with maleic anhydride. Zhur.ob.khim. 33 no.10:3439-3440 O '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

ZEFIROV, N.S.; IVANOVA, R.A.; FILATOVA, R.S.; YUR'YEV, Yu.K.

Deamination of methyl ester of exo-cis-2-amino-3,6-endoxo-hexahydrophthalic acid. Zhur.ob.khim. 33 no.10:3440-3441 O '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

ZEFIROV, N.S.; PRIKAZCHIKOVA, L.P.; BONDAREVA, M.A.; YUR'YEV, Yu.K.

Hydroxymercuration of dimethyl ester of exo-1-methoxy-3,6-endoxo-Δ^4-trans-tetrahydrophthalic acid. Zhur.ob.khim. 33 no.12:4026-4027 D '63. (MIRA 17:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

ZEFIROV, N.S.; PRIKAZCHIKOVA, L.P.; YUR'YEV, Yu.K.

Stereochemistry of the addition of mercury salts to olefins studied by the use of the mercury salt of trinitromethane. Dokl. AN SSSR 152 no.4:869-871 O '63. (MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akademikom A.N. Nesmeyanovym.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; GAL'PERN, M.A.; PROKOF'YEVA, A.F.

Kinetic study in the series of five-membered heterocyclic compounds. Part 1: Kinetics of solvolysis of 2-chloromethylselenophene in methyl alcohol. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.3: 429-434 '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, kafedra organicheskoy khimii.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.; PROKOF'YEVA, A.F.

Kinetic study in the series of five-membered heterocyclic compounds. Part 2: Kinetics of solvolysis of 2-chloromethyl and 2,5-dimethyl-3-chloromethyl compounds of furan, thiophene, and selenophene in methyl alcohol. Izv. vys. ucheb. zav.; khim. i khim. tekh. 7 no.4:598-602 '64. (MIRA 17:12)

1. Kafedra organicheskoy khimii Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; SADOVAYA, N.K.; GREKOVA, Ye.A.

Chemistry of selenophene. Part 49: Reactions of 3-bromoselenophene.
Zhur. ob. khim. 34 no. 3:847-851 Mr '64. (MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

ZEFIROV, N.S.; DAVYDOVA, A.F.; YUR'YEV, Yu.K.

Cis-bromination of dimethyl ester of 3,6-endoxodihydrophthalic acid. Zhur. ob. khim. 34 no. 5:1681 My '64. (MIRA 17:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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"APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963220016-1

YUR'YEV, Yu.K.; SADOVAYA, N. K.

Chemistry of selenophene. Part 51: Sulfonation of selenophene and 2-methylselenophene. Zhur. ob. Khim. 34 no.6:1803-1807 Je '64. (MIRA 17:7)

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NOVITSKIY, K. Yu.; KHACHATUROVA, G. T.; YUR'YEV, Yu. K.

Furan series. Part 32: 5-Nitro-2-halomethylfurans in the synthesis of 5-nitro-2-furfurylamines. Zhur. ob. Khim. 34 no.6:1887-1889 Je '64. (MIRA 17:7)

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YUR'YEV, Yu.K.; SADOVAYA, N.K.

Chemistry of selenophene. Part 52: Sulfuration of selenophene-2-aldehyde and selenophene-2-carboxylic acid. Zhur. ob. khim. 34 no.7:2190-2195 Jl '64 (MIRA 17:8)

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ZEFIROV, N.S.; FILATOVA, R.S.; YUR'YEV, Yu.K.

Behavior of dimethyl ester of 3-bromo-3,6-endoxohexahydrophthalic acid in solvolysis. Zhur. ob. khim. 34 no.7: 2468-2469 Jl '64 (MIRA 17:8)

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NOVITSKIY, K.Yu.; YUR'YEV, Yu.K.; ZHINGAREVA, V.N.; GRESL', Kh.

Furan series. Part 33: Reaction of 3,4-bis(halomethyl) - furans with metal cyanides. Zhur. ob. khim. 34 no.8:2568-2570 Ag '64. (MIRA 17:9)

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YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.; KANDROR, I.I.

Cleavage of di (2-thienyl)- (2-selenyl) lead under the effect of hydrogen chloride. Zhur. ob. khim. 34 no.12:4116 D '64 (MIRA 18:1)

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ZEFIROV, N.S.; IVANOVA, R.A.; YUR'YEV, Yu.K.

3,6-Endoxocyclohexanes and -cyclohexenes. Part 17: Configuration of the adducts of 2-methyl- and 2,5-dimethylfuran with maleic anhydride and their epoxydation. Zhur. ob. khim. 35 no.1:58-61 Ja '65. (MIRA 18:2)

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YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.; MONAKHOVA, A.T.

Chemistry of selenophene. Part 53: 1-(2-Selenienyl)-1,2-propanediene.
Zhur. ob. khim. 35 no.1:68-70 Ja '65.
(MIRA 18:2)

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ZEFIROV, N.S.; KADZYAUSKAS, P.P.; BAZANOVA, V.N.; YUR'YEV, Yu.K.

Stereochemistry of the nitrosochlorination of 2,3-dicarbomethoxy-7-oxabicyclo-[2,2,1]-5-heptene. Zhur. ob. khim. 35 no.4:752-753 Ap '65. (MIRA 18:5)

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ZEFIROV, N.S.; PRIKAZCHIKOVA, L.P.; YUR'YEV, Yu.K.

3,6-endoxocyclohexanes and -cyclohexenes. Part 20: Acetoxymercuration of demethyl ester of 3,6-endoxodihydrophthalic acid. Zhur. ob. khim. 35 no.4:639-641 Ap '65. (MIRA 18:5)

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TRESHCHOVA, Ye.G.; EKKHARDT, D.; YUR'YEV, Yu.K.

Correlations in the spectra of furan, thiophene, and selenophene derivatives. Zhur. fiz. khim. 38 no.2:295-303 F '64.
(MIRA 17:8)

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YUR'YEV, Yuriy Konstantinovich; GOL'DENBERG, G.S., red.

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DANILOV, S.N., glav. red.; ZAKHAROVA, A.I., red.; ARBUZOV, A.Ye., red.; VVEDENSKIY, A.A., red.; VENUS-DANILOVA, E.D., red.; IOFFE, I.S., red.; KAVERZNEVA, Ye.D., red.; LUTSENKO, I.F., red.; MISHCHENKO, K.P., red.; NEMTSEV, M.S., red.; PETROV, A.A., red.; FREYDLINA, R.Kh., red.; SHEMYAKIN, M.M., red.; SHCHUKAREV, S.A., red.; YUR'YEV, Yu.K., red.

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NOVITSKIY, L.Yu.; YUR'YEV, Yu.K.; OLEYNIK, A.F.; RODINA, N.B.

Furan series. Part 34: Synthesis based on β-(2-furyl) ethylamine. Zhur. org. khim. 1 no.1:160-162 Ja '65. (MIRA 18:5)

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YUR'YEV, Yu.K.; MAGDESIYEVA, N.N.; TITOV, V.V.

Chemistry of selenophene. Part 54: Reactions of ω-acetyl-2-acetoselenephene and the synthesis of ω-hydroxybenzoyl)-2-acetoselenophene. Zhur. org. khim. 1 no.1:163-167 Ja '65. (MIRA 18:5)

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NOVITSKIY, K.Yu.; YUR'YEV, Yu.K.; OLEYNIK, A.F.; BORISOVA, G.V.

Furan series. Part 35: Syntheses based on 5-methyl-2-bromoacetylfuran. Zhur.org.khim. 1 no.2:386-388 F '65.

(MIRA 18:4)

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NOVITSKIY, K.Yu.; GRESL', Kh.; YUR'YEV, Yu.K.

Furan series. Part 36: Effect of the solvent on the reaction of 2-chloromethylfuran with sodium cyanide. Zhur.org.khim. 1 no.3: 539-541 Mr '65. (MIRA 18:4)

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NOVITSKIY, K.Yu.; OLEYNIK, A.F.; NAYDENOVA, N.M.; YUR'YEV, Yu.K.

Furan series. Part 37: Reactions of 2-vinylfuran oxide with ammonia and amines. Zhur.org.khim. 1 no.3:541-545 Mr '65. (MIRA 18:4)

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L 51485-65 EPF(c)/EWP(j)/EWT(m)/T Pc-4/Pr-4 RM/WW/DJ
ACCESSION NR: AP5015125 UR/0366/65/001/006/1094/1097
547.442:547.286

AUTHOR: Yur'yev, Yu. K.; Baglesiyeva, N. N.; Morekhova, A. T.

TITLE: [illegible] chemistry [illegible]. Communication [illegible] of the selenophene series containing the [illegible] group

SOURCE: [illegible] Zhurnal obshchey khimii, v. 1, no. 6, 1965, 1094-1097

TOPIC TAGS: [illegible] please primetive, [illegible] derivative, organoselenium [illegible], [illegible] [illegible] agent

ABSTRACT: [illegible] β-diketone [illegible] and anil [illegible] the [illegible] The present work deals with the synthesis of β-diketones [illegible] 2-acetoselenophene. [illegible] benzoyl [illegible] 2-benzoylselenophene [illegible] 2-CH3COCH2COC6H5 and 2-[illegible] 2-CH3COCH2COC4H3Se. The [illegible] compounds were synthesized by [illegible] of 2-acetylene monoselenophene with the appropriate ketone in the presence

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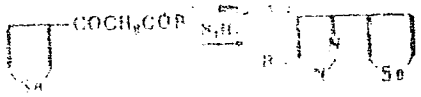
ACCESSION NR: AP[illegible]5125

[illegible] of sodium amide, they [illegible] acetylenic [illegible] Condensation of the [illegible] diketones with hydrazine yielded the corresponding 3,5-disubstituted pyrazoles



R=CH3 [illegible]

[illegible]

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova (Moscow State University)

SUBMITTED: [illegible] ENCL: 0 SUB CODE: OC, FP

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4017

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NOVITSKIY, K.Yu.; BRATTSEVA, L.V.; YUR'YEV, Yu.K.

Furan series. Part 38: Reactions of 2-vinylfuran with secondary amines. Zhur. org. khim. 1 no.6:1097-1099 Je '65. (MIRA 18:7)

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MAGDESIYEVA, N.N.; TITOV, V.V.; BYSTROV, V.F.; LEZINA, V.P.; YUR'YEV, Yu.K.

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(MIRA 18:8)

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YUR'YEV, Yu.K.; GAL'BERSHTAM, M.A.; PROKOF'YEVA, A.F.

Kinetic study in the series of five-membered heterocyclic compounds of aromatic nature. Part 3. Izv. vys. ucheb. zav.; khim. i khim. tekh. 8 no.3:421-425 '65. (MIRA 18:10)

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ZEFIROV, N.S.; IVANOVA, R.A.; FILATOVA, R.S.; YUR'YEV, Yu.K.

3,6-Endoxocyclohexanes and -cyclohexenes. Part 26: Wagner-Meerwein rearrangement in deamination of 3,6-endoxohexahydroanthranilic acid and its methyl ester. Zhur. ob. khim. 35 no.10:1798-1801 O '65. (MIRA 18:10)

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